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(19) (CA) **APPLICATION FOR CANADIAN PATENT** (12)

(54) Set in Sheet Form as Well as Apparatus and Method for
Producing Such a Set

(72) Fernandez-Kirchberger, Paul - Germany (Federal Republic
of) ;
Seidl, Joachim - Germany (Federal Republic of) ;

(71) MTL MODERN TECHNOLOGIES LIZENZ GmbH - Germany (Federal
Republic of) ;

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(57) 17 Claims

Notice: This application is as filed and may therefore contain an
incomplete specification.



Claims

1. Set (10, 10'; 45) in sheet form consisting of at least one information carrier (15; 51) in the form of a card with carrier material (28 to 32; 50) lying in the same plane, characterised in that

the information carrier and the carrier material are completely separated from one another by means of uninterrupted stamped cuts (14, 16 to 26; 52, 54, 67) or the like,

for the releasable connection of information carrier(s) and carrier material at least one narrow adhesive strip (40; 56) is provided which is coated with a glue on one side, covers at least a part of the stamped cuts between adjacent rows of information carriers and/or between information carriers and carrier material and adheres the components of the set to one another,

and that the width of the information carriers perpendicular to the course of the adhesive strip amounts to a multiple of the width of the adhesive strip.

2. Set as claimed in Claim 1, characterised in that at least two adhesive strips (40; 56) are provided, all adhesive strips being aligned parallel with one another,

3. Set as claimed in Claim 1, characterised in that the adhesive strips (40; 56) have a width of less than 10 mm, preferably 7 mm,

4. Set as claimed in Claim 1, characterised in that the carrier material forms at least one edge region (30, 32; 50) of the set and in this edge region is aligned approximately

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perpendicular to the course of the adhesive strips, the ends of all adhesive strips being adhered to this edge region of the carrier material.

5. Set as claimed in Claim 1, characterised in that at least one further edge region (30, 32) is provided from an uninterrupted strip of the carrier material and is preferably disposed on the side of the set opposite the first edge region.

6. Set as claimed in Claim 1, characterised in that a central strip (35; 53) made from the carrier material is provided between two adjacent rows of information carriers.

7. Set as claimed in Claim 1, particularly for information carriers with rounded corners, characterised in that each information carrier is surrounded on all sides by the carrier material.

8. Set as claimed in Claim 1, characterised in that the set is constructed as a continuous web (45), and the carrier material (50) extends at least in the transport direction (57) of the continuous web and has an edge region adapted to mechanical transport of the continuous web.

9. Set as claimed in Claim 8, characterised in that the adhesive strips (56) run transversely with respect to the transport direction (57).

10. Set as claimed in Claim 8, characterised in that the adhesive strips (56) run in the transport direction (57).

11. Set as claimed in Claim 10, characterised in that at least one micro-link (55) is constructed between information carriers which succeed one another in the transport direction.

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12. Apparatus for producing a set in sheet form as claimed in Claim 1, characterised by

- a) a stamping arrangement (70) for stamping out information carriers and carrier material from a material web (75),
- b) an arrangement (71) for application of the adhesive strip (40, 56) and
- c) means (72) in order - before complete stamping out - to fix information carriers and carrier material temporarily in their position relative to one another.

13. Apparatus as claimed in Claim 12, characterised in that the stamping arrangement (70) is formed by a stamping cylinder (70a) and a first counter-pressure element (70b).

14. Apparatus as claimed in Claim 12, characterised in that the arrangement (71) for application of the adhesive strip is formed by a laminating roll (71a) and a second counter-pressure element (71b).

15. Apparatus as claimed in Claim 14, characterised in that the fixing means (72) are formed by the laminating roll (71a) and the second counter-pressure element (71b).

16. Apparatus as claimed in Claims 13 and 15, characterised in that the distance A between the stamping roll (70a) and the laminating roll (71a) is smaller than the extent B of an information carrier in the transport direction (76) of the material web (75).

17. Method of producing a set in sheet form as claimed in Claim 1, characterised by the following method steps:

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- a) information carriers and carrier material are completely separated from one another out of a material web (75) by uninterrupted stamped cuts,
- b) at least a part of the stamped cuts between adjacent rows of information carriers and/or between information carriers and carrier material are covered by an adhesive strip,
- c) wherein the information carriers and carrier material - before complete separation - are temporarily fixed in their position relative to one another up to the application of the adhesive strip.

Abstract

The invention relates to a set in sheet form as well as to apparatus and a method for producing such a set, which consists of at least one information carrier in card form with carrier material lying in the same plane, wherein the information carrier and the carrier material are completely separated from one another by means of uninterrupted stamped cuts or the like and for the releasable connection of information carrier and carrier material at least one narrow adhesive strip is provided which is coated with a glue on one side, covers at least a part of the stamped cuts between adjacent rows of information carriers and/or between information carriers and carrier material and adheres the components of the set to one another. The width of the information carriers perpendicular to the course of the adhesive strip amounts to a multiple of the width of the adhesive strip.

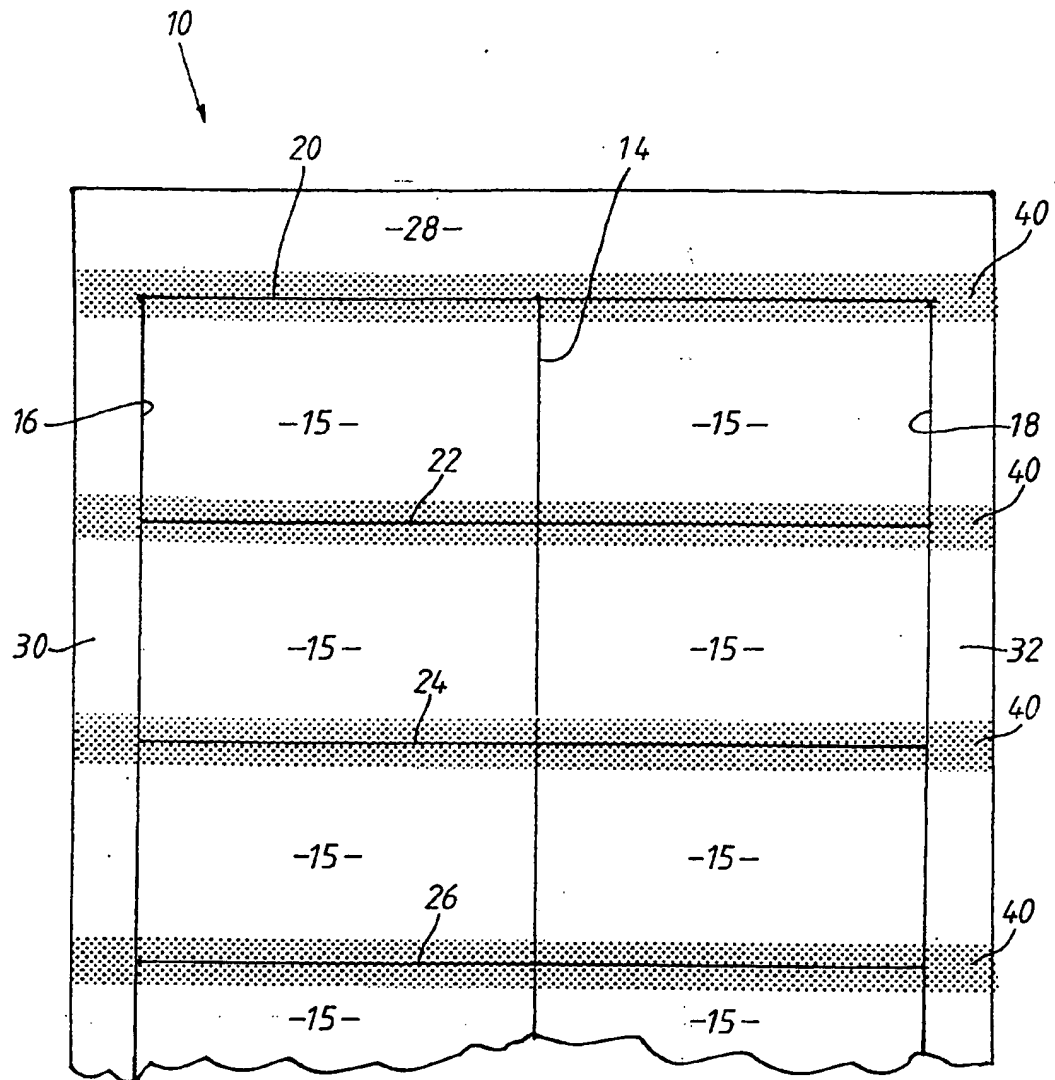
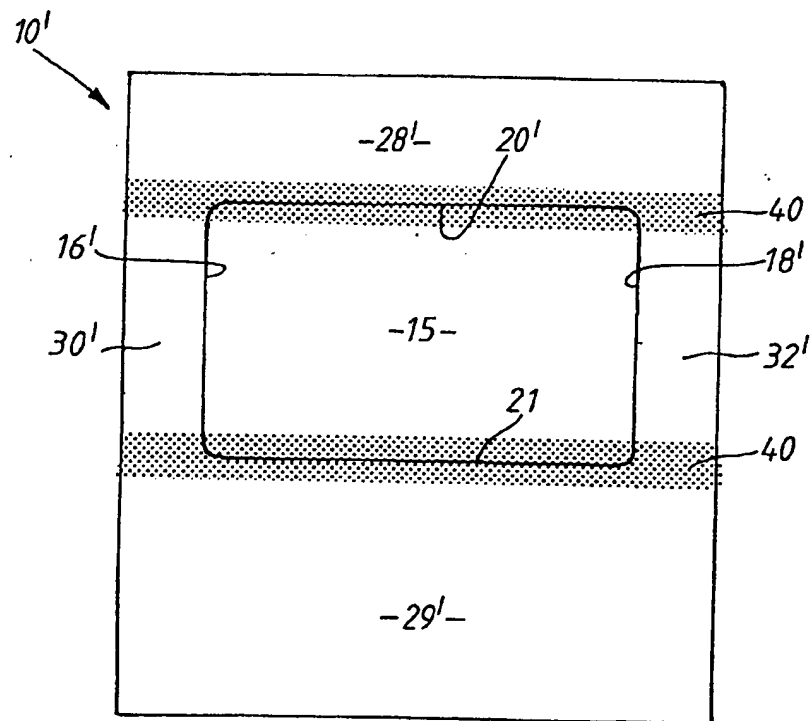
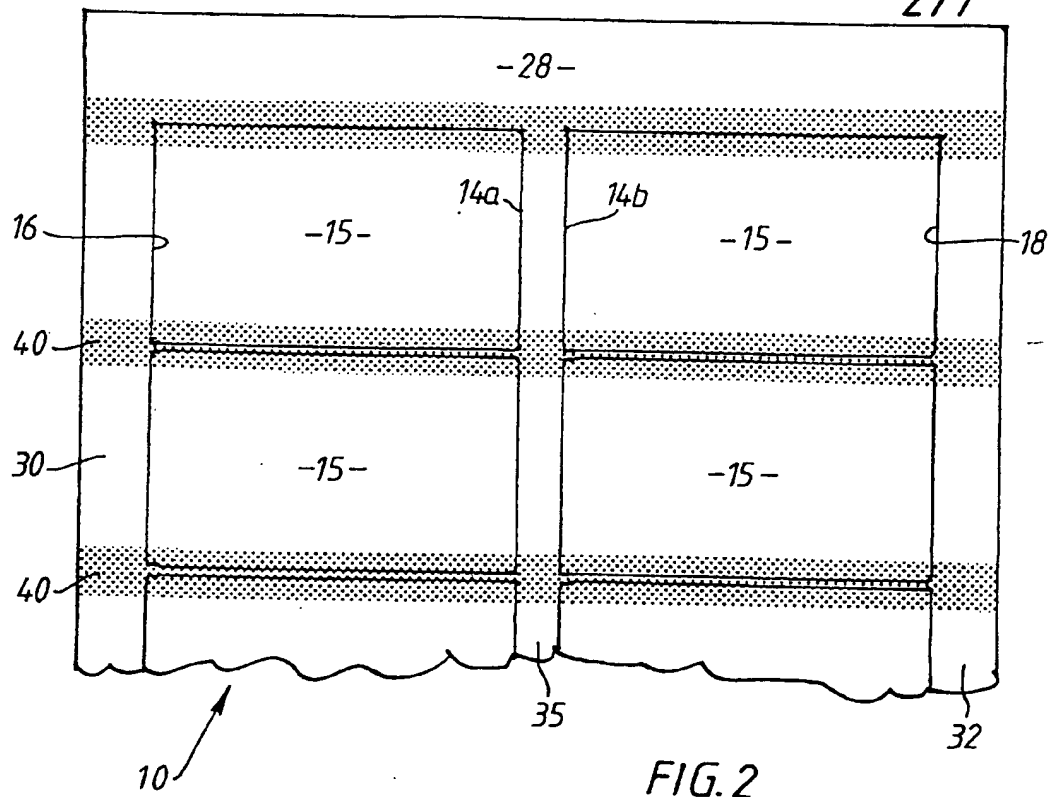


FIG. 1



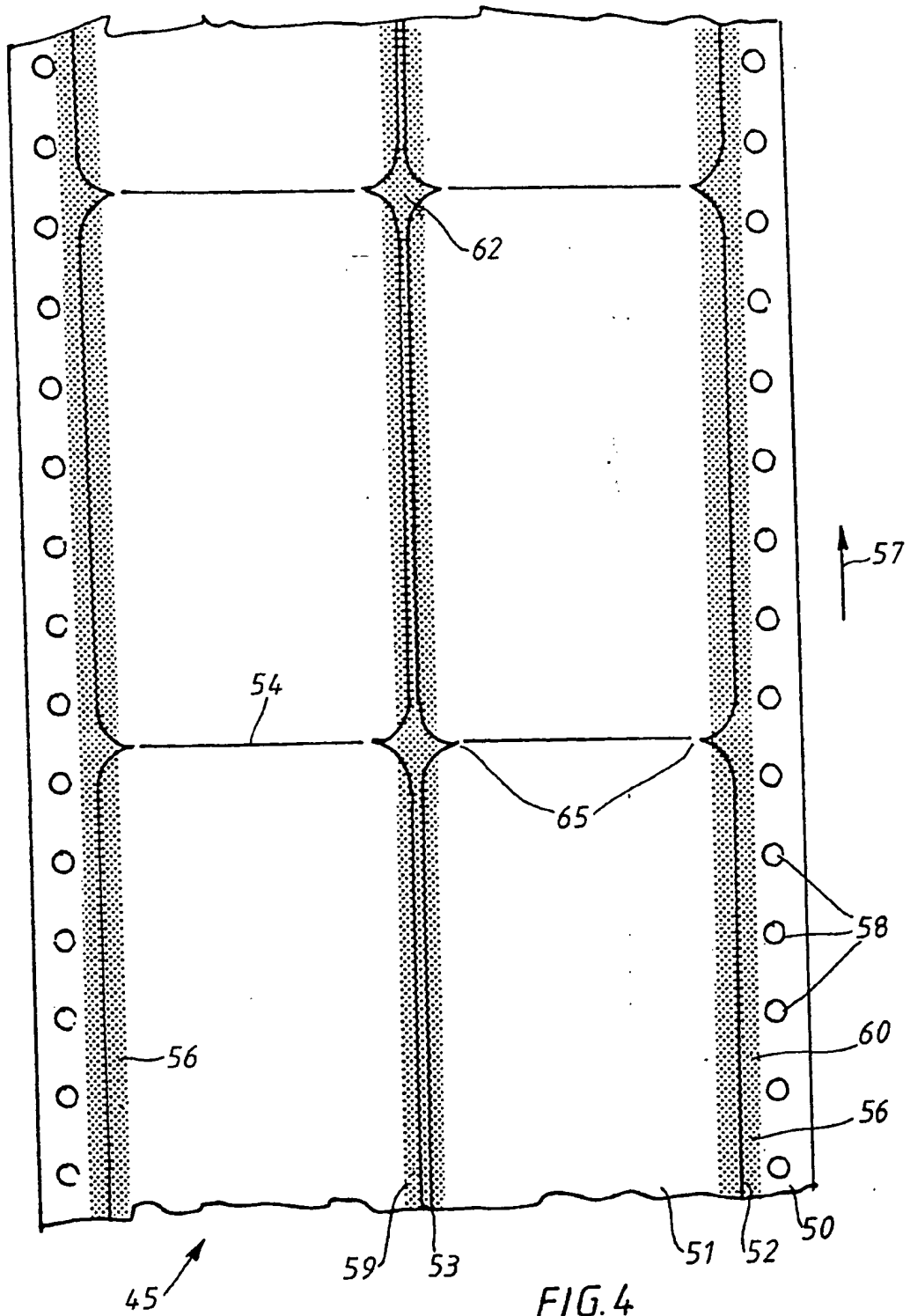


FIG. 4

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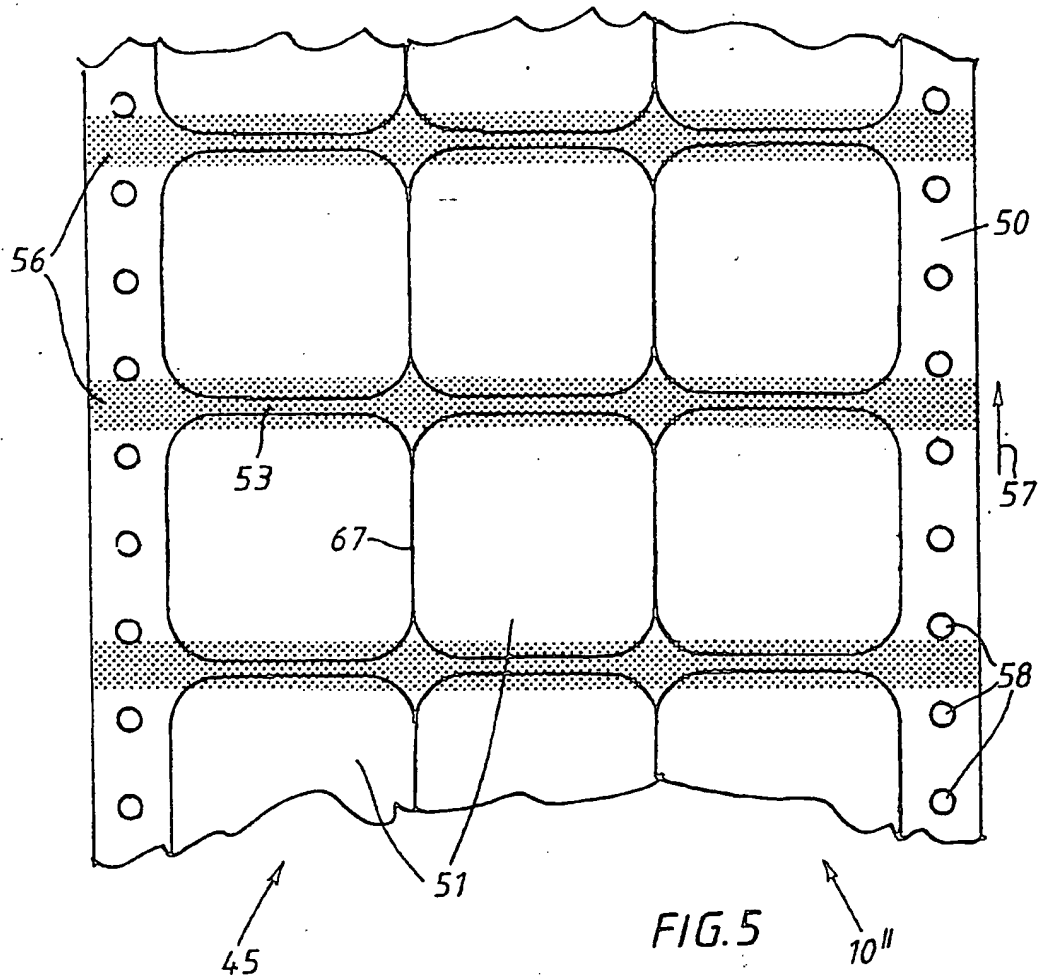
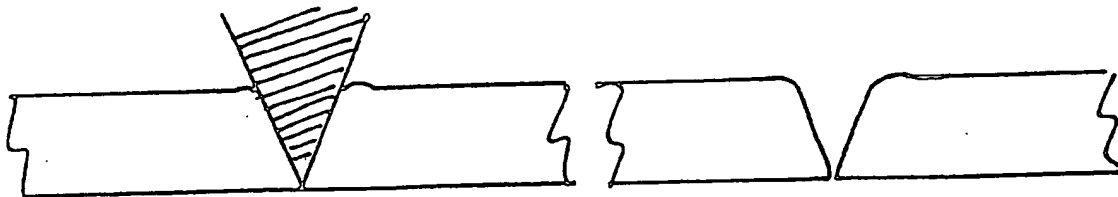
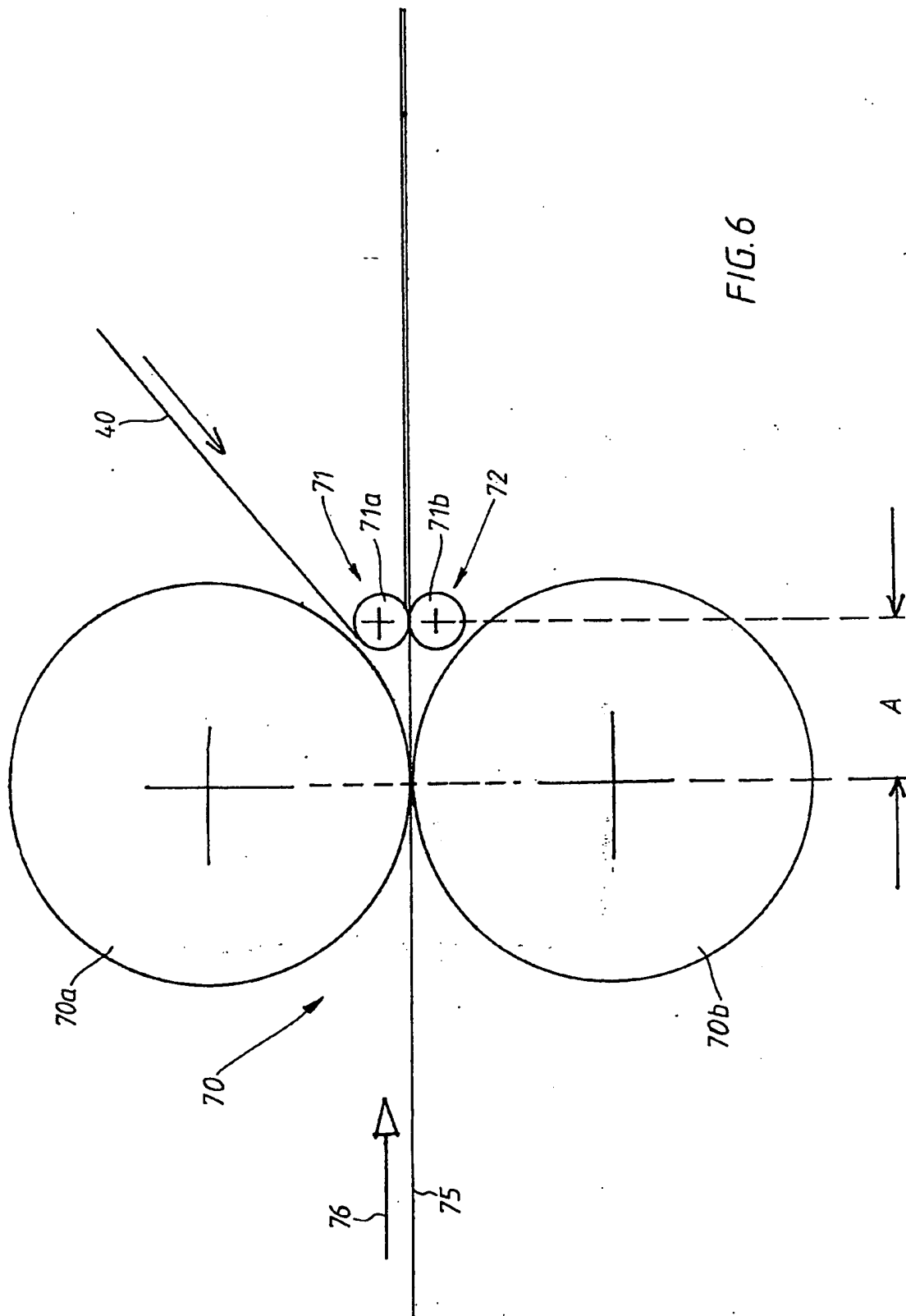
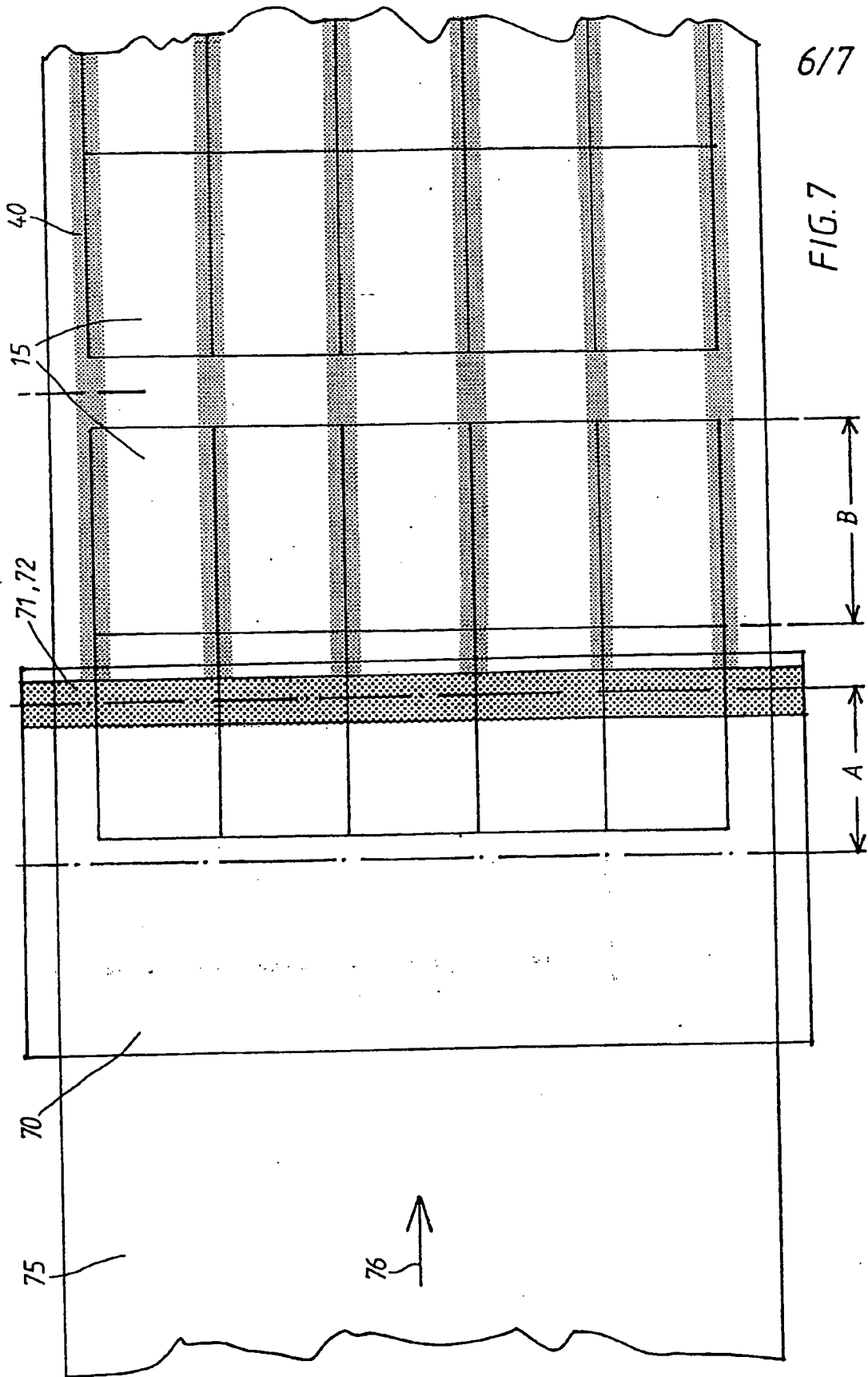


FIG. 8







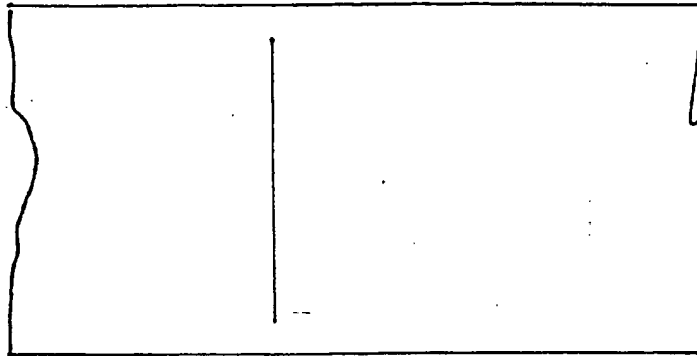


FIG. 9a

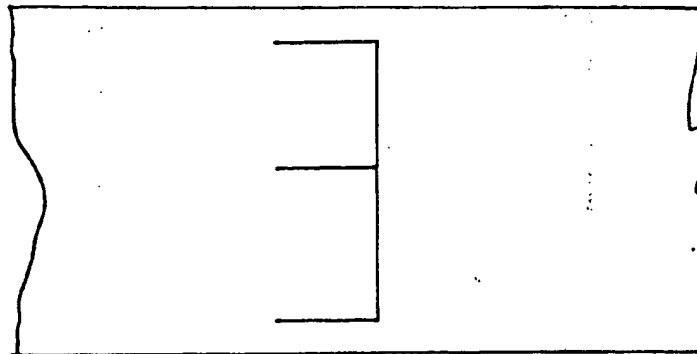


FIG. 9b

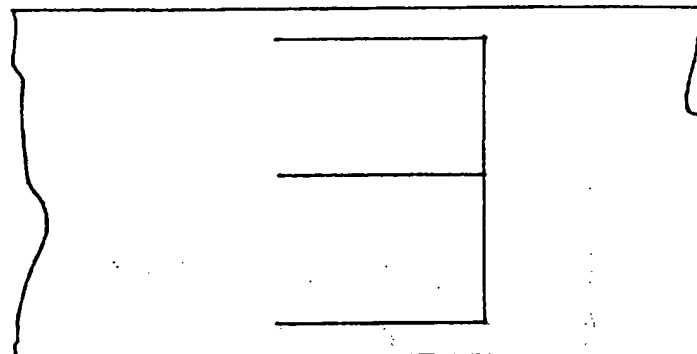


FIG. 9c

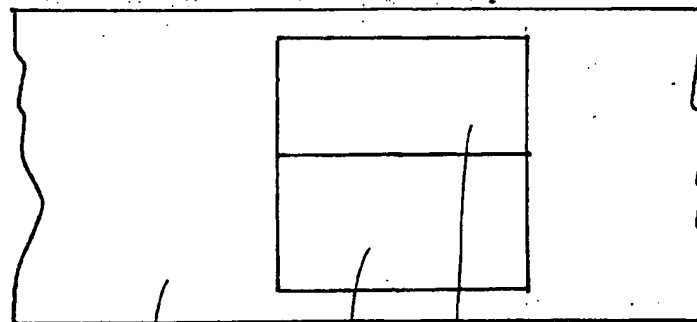


FIG. 9d

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